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(54) **SKID STEER ATTACHMENT SYSTEM**

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B66F 9/10 (2006.01)

(52) **U.S. Cl.** **280/416.1**; 280/901; 280/417; 280/441.2; 414/724; 414/607

(58) **Field of Classification Search** 280/416.1, 280/901, 417.1, 441.2; 414/724, 607
See application file for complete search history.

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(57) **ABSTRACT**

A skid steer attachment system for efficiently increasing the functionality of a skid steer loader. The skid steer attachment system generally includes an attachment assembly to mechanically attach to a skid steer loader, a support frame mechanically attached to the attachment assembly, wherein the support frame is comprised of a U-shaped structure and at least one wheel rotatably attached to the support frame opposite the attachment assembly and wherein the wheel is positionable upon an opposing side of the skid steer loader as the attachment assembly.

19 Claims, 13 Drawing Sheets

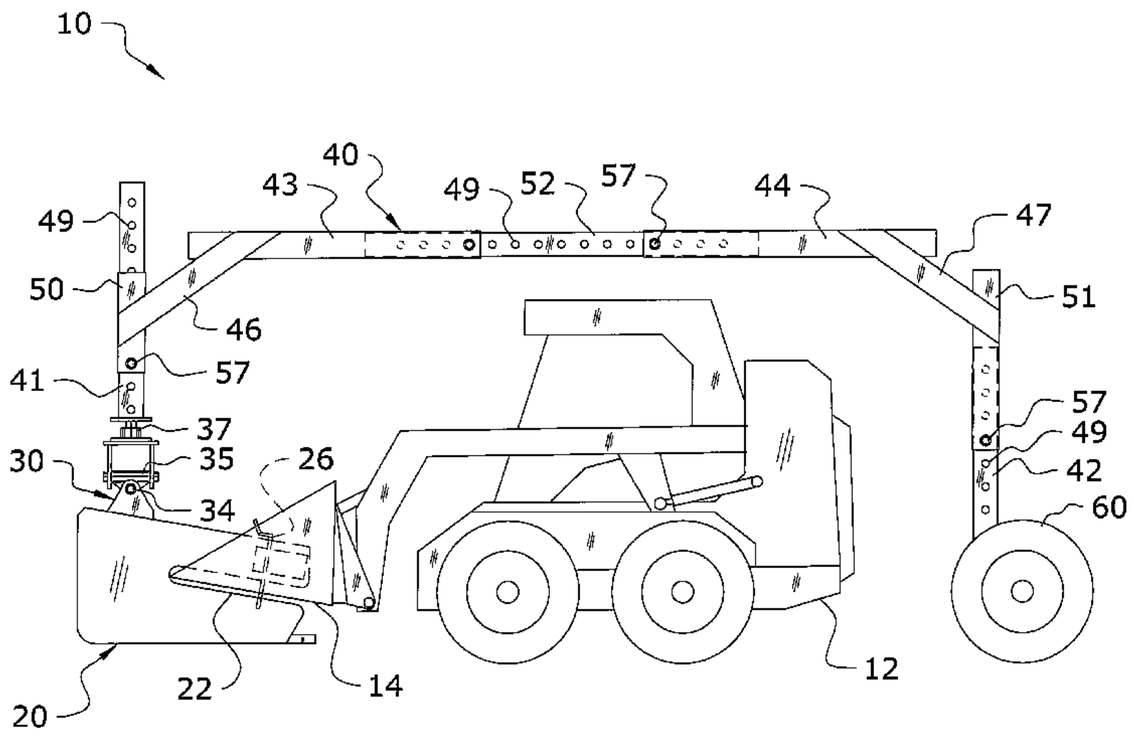

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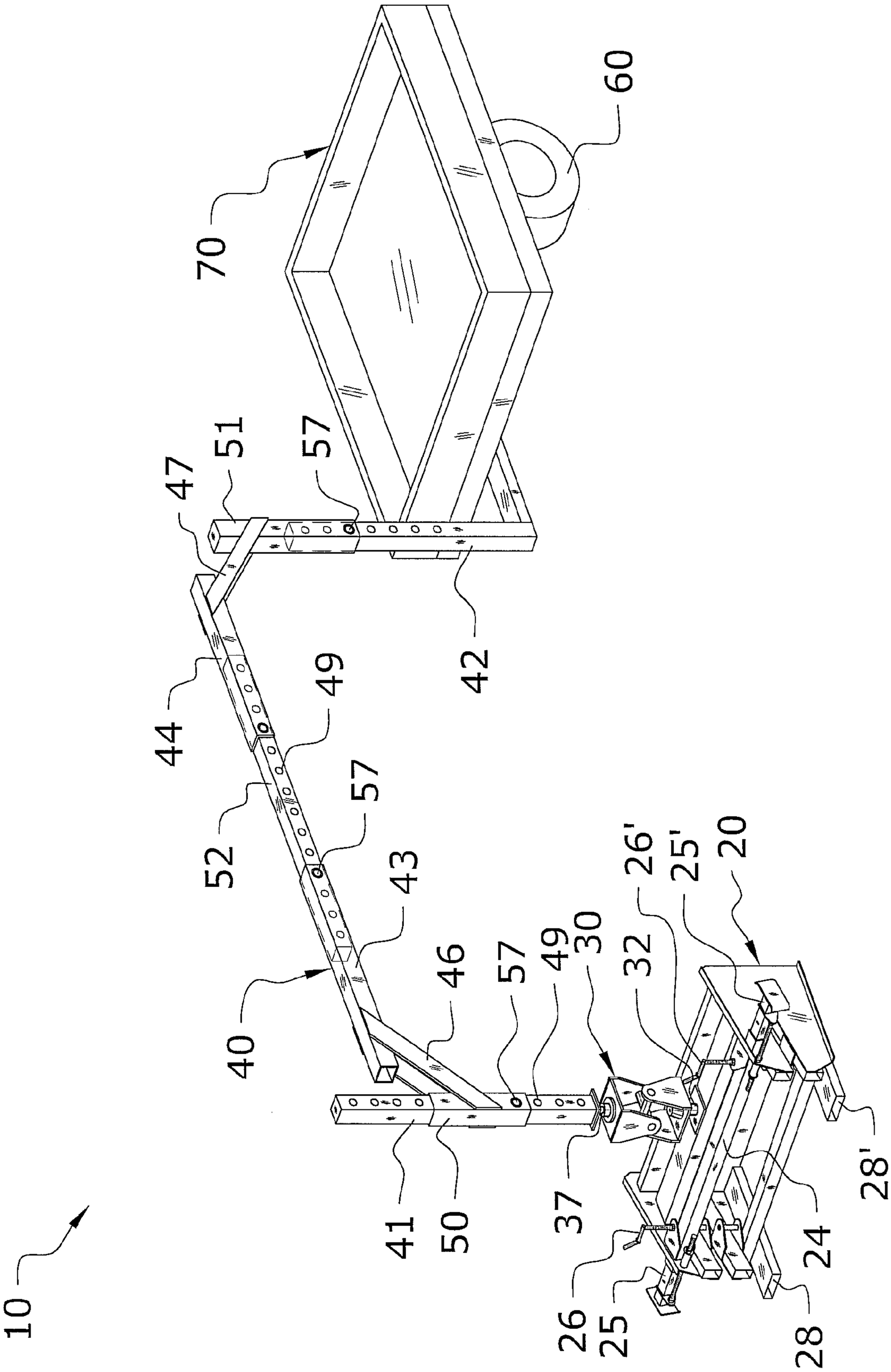
FIG. 1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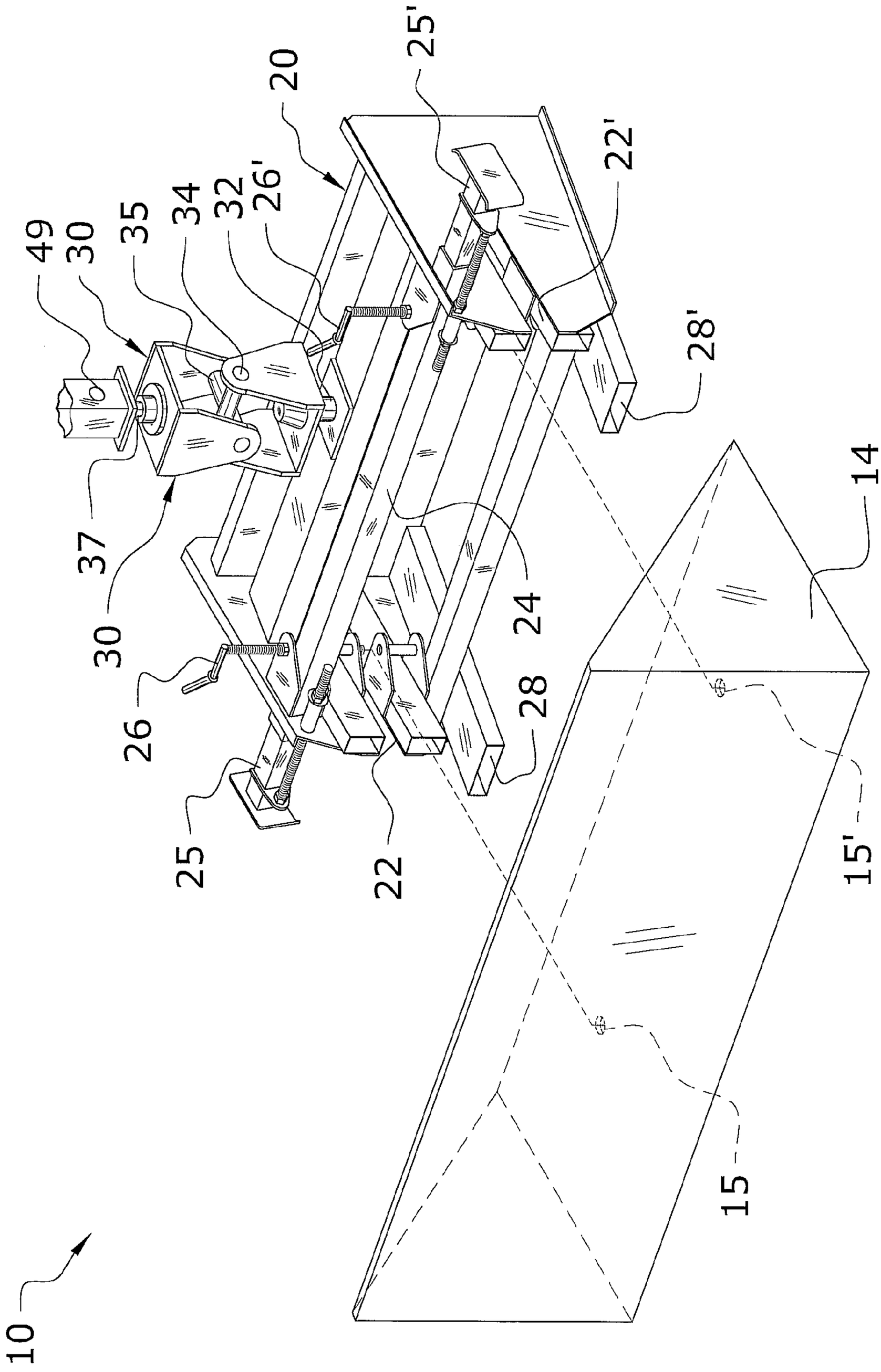

FIG. 2

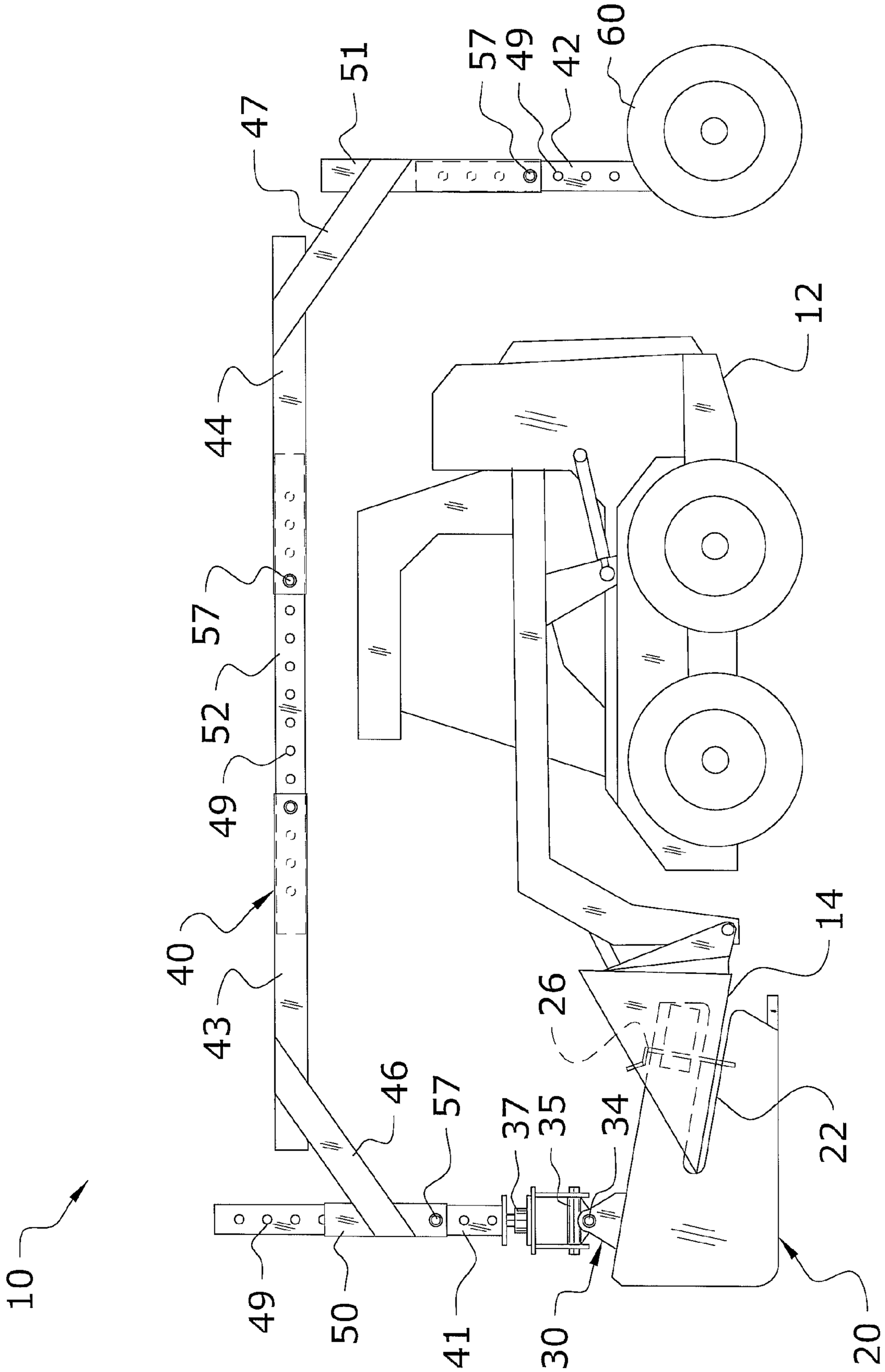
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FIG. 3

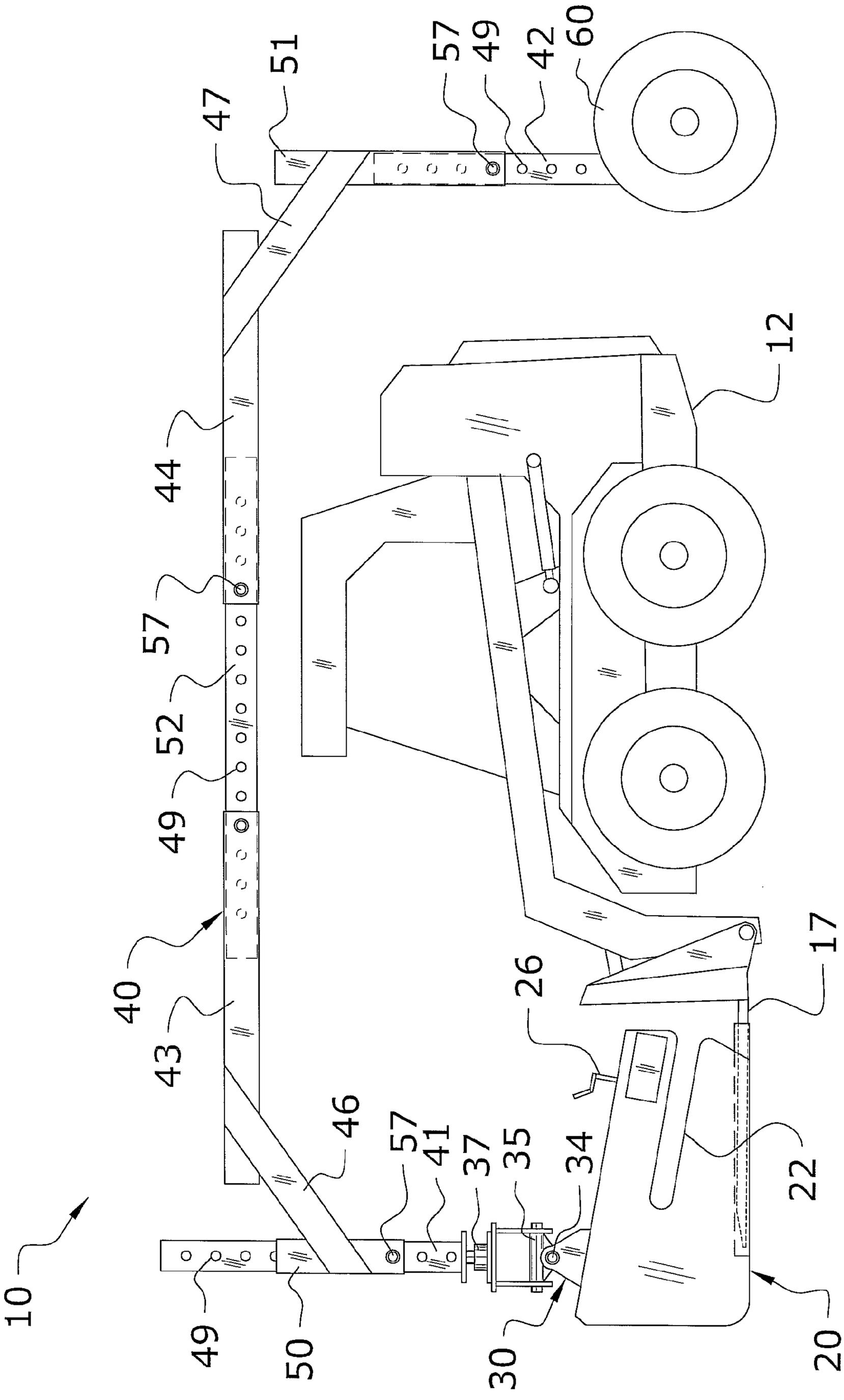
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FIG. 4

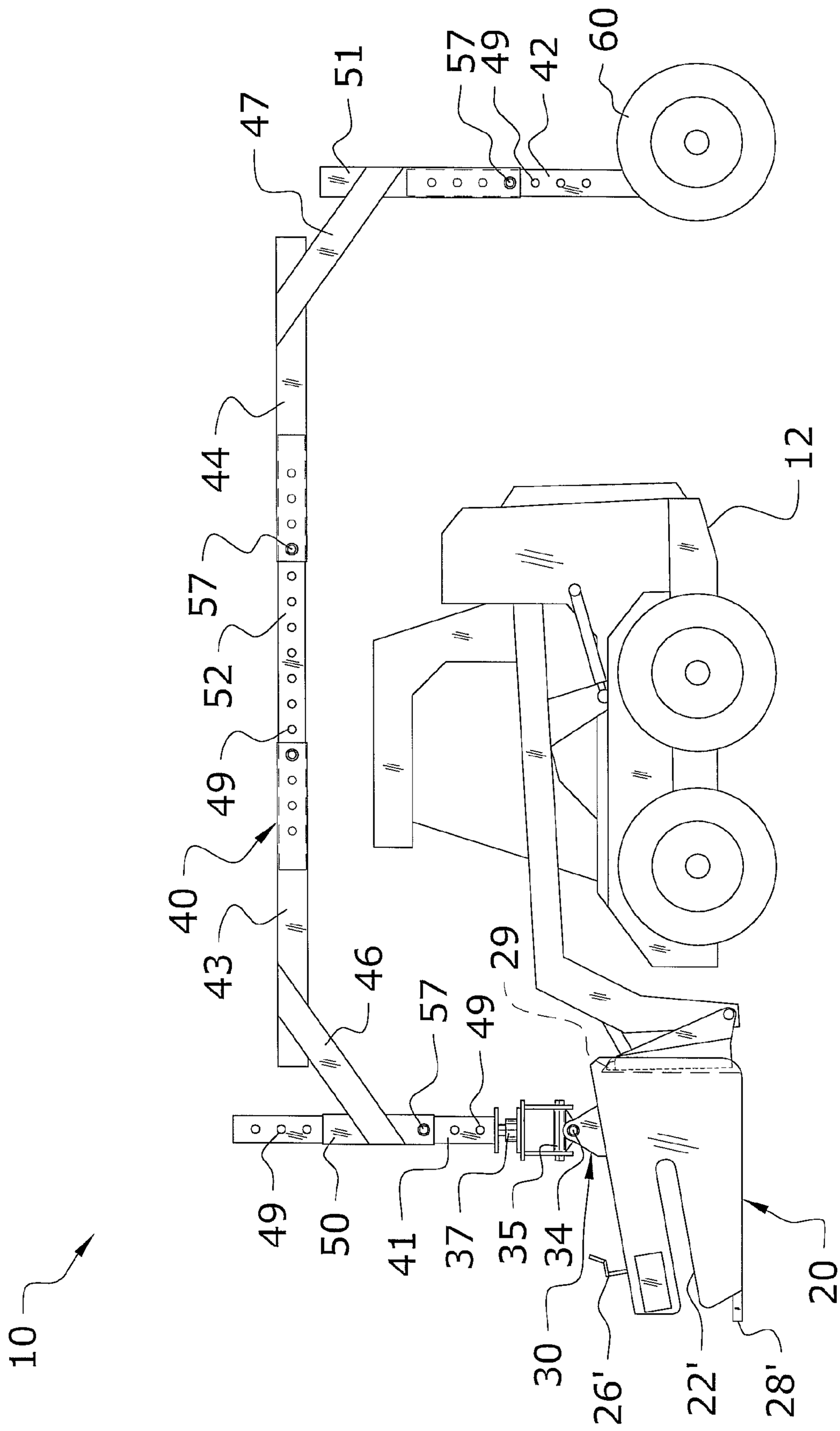

FIG. 5

FIG. 6

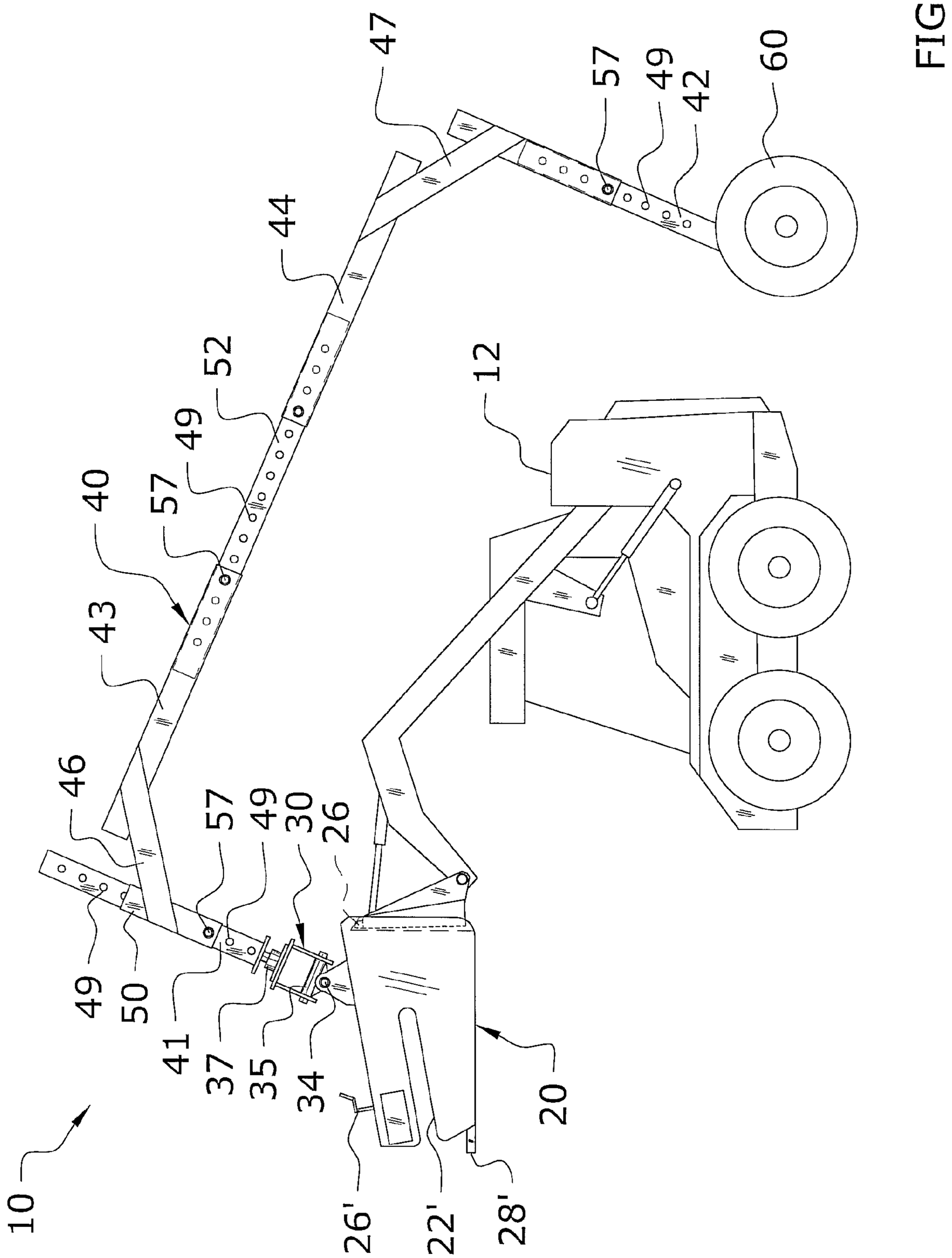
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FIG. 7

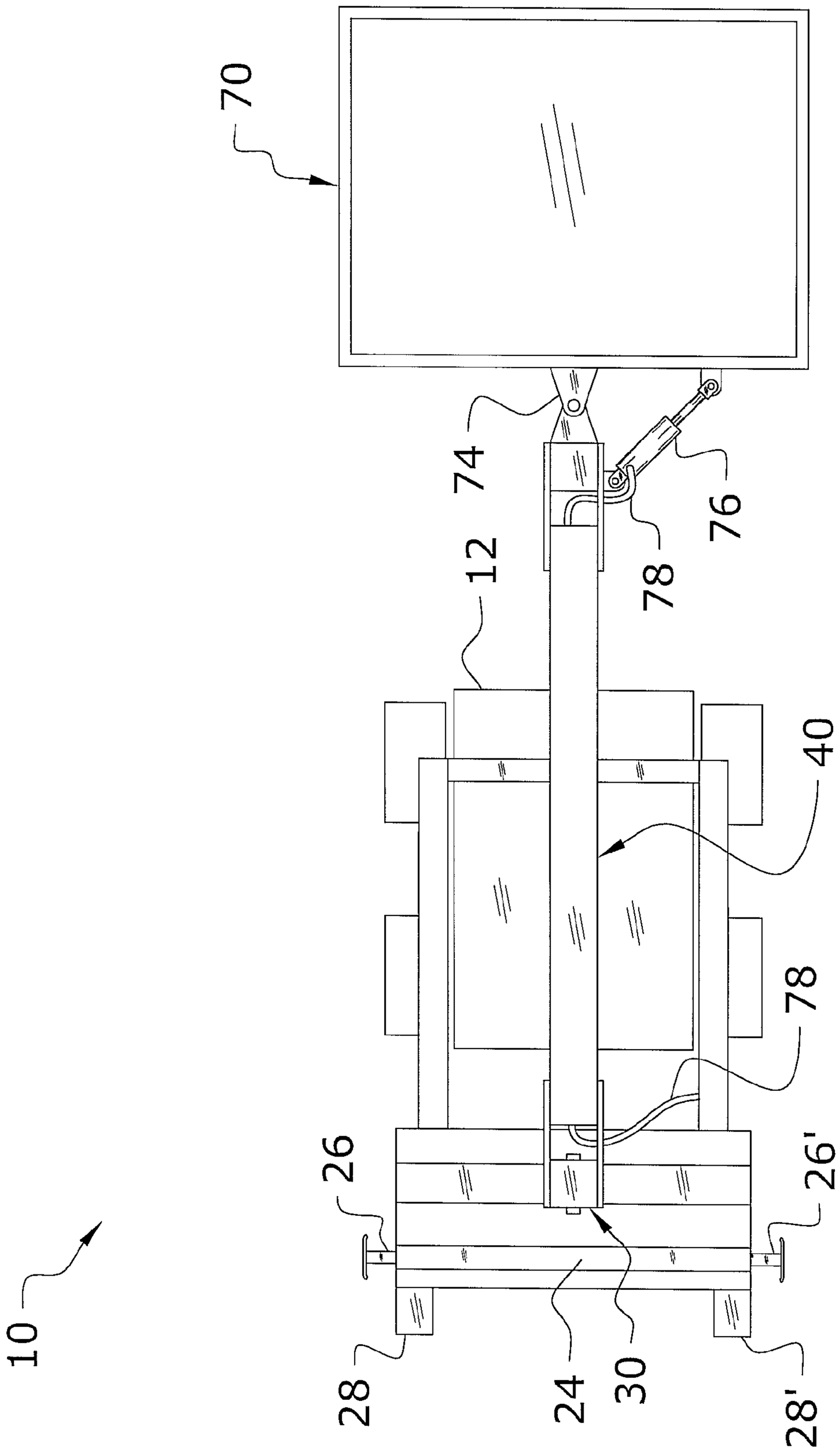


FIG. 8

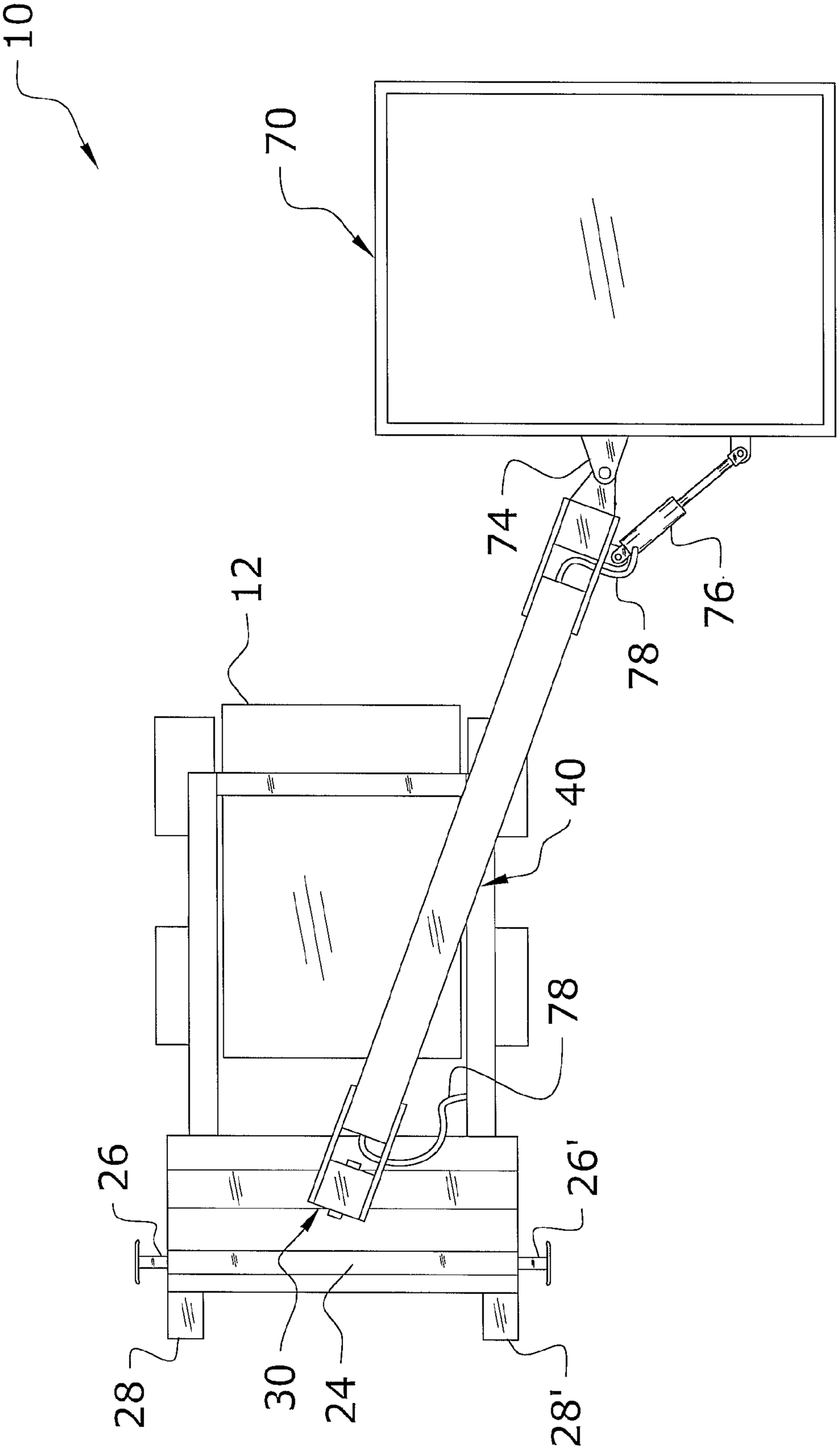


FIG. 9

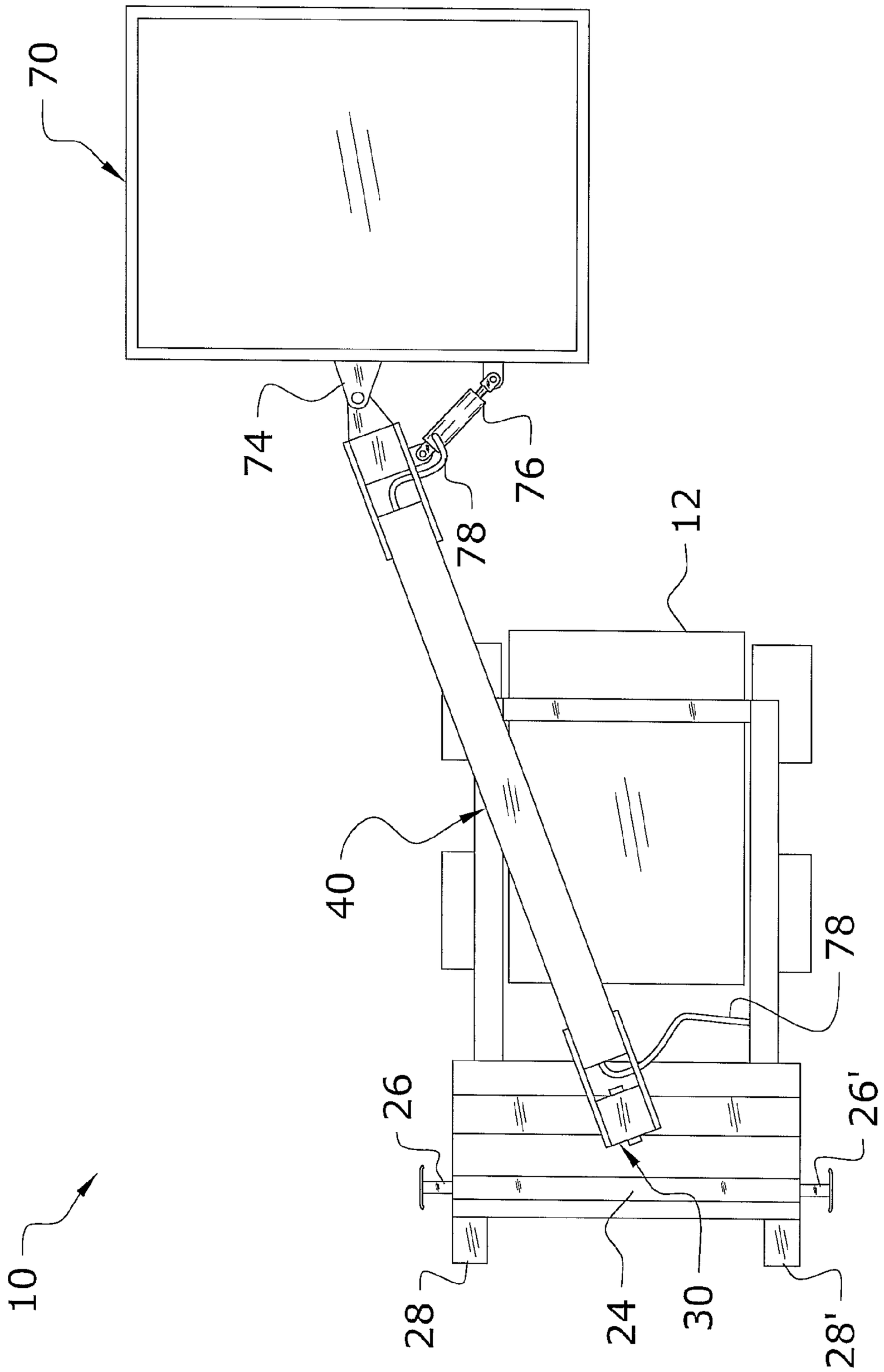
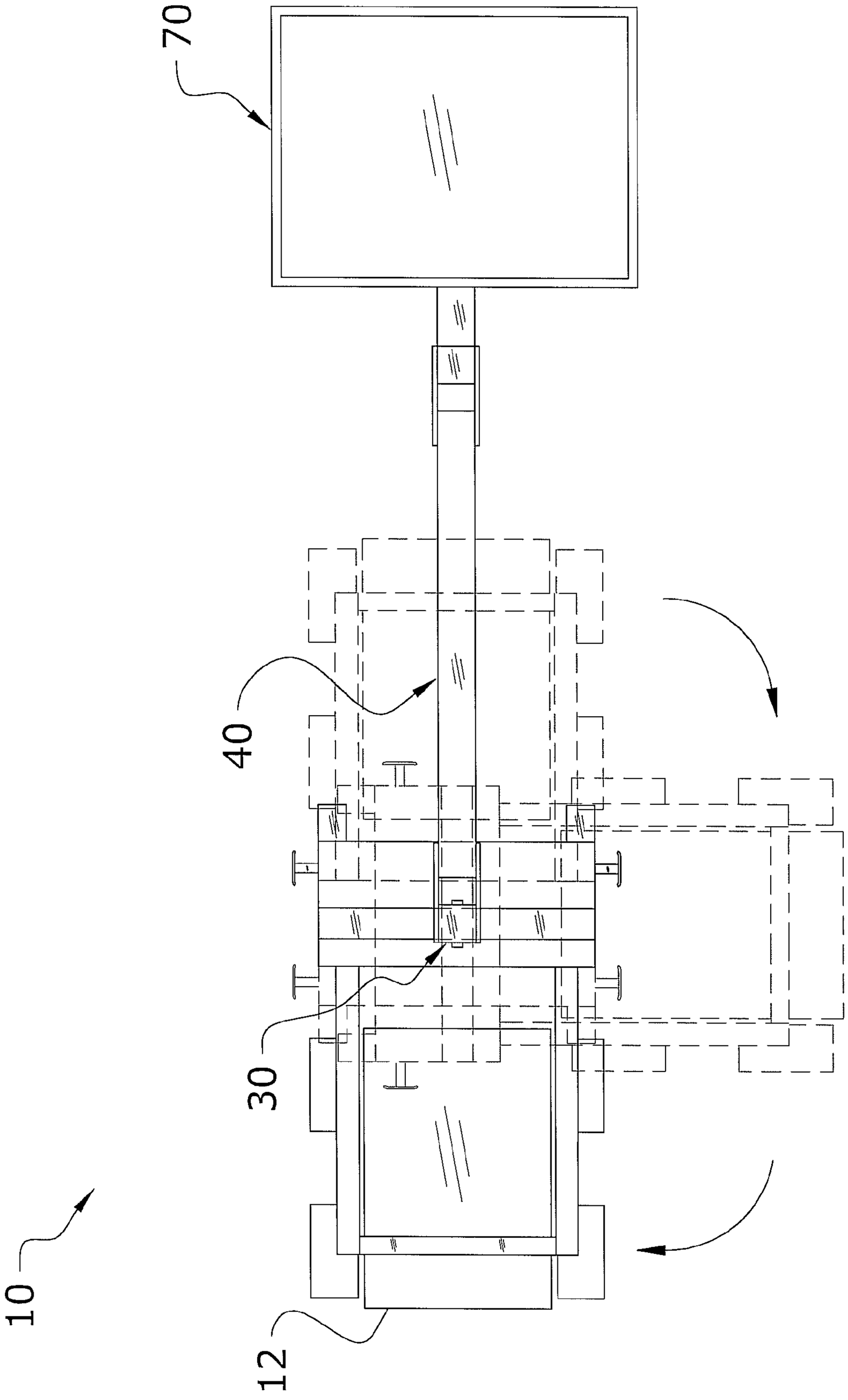


FIG. 10



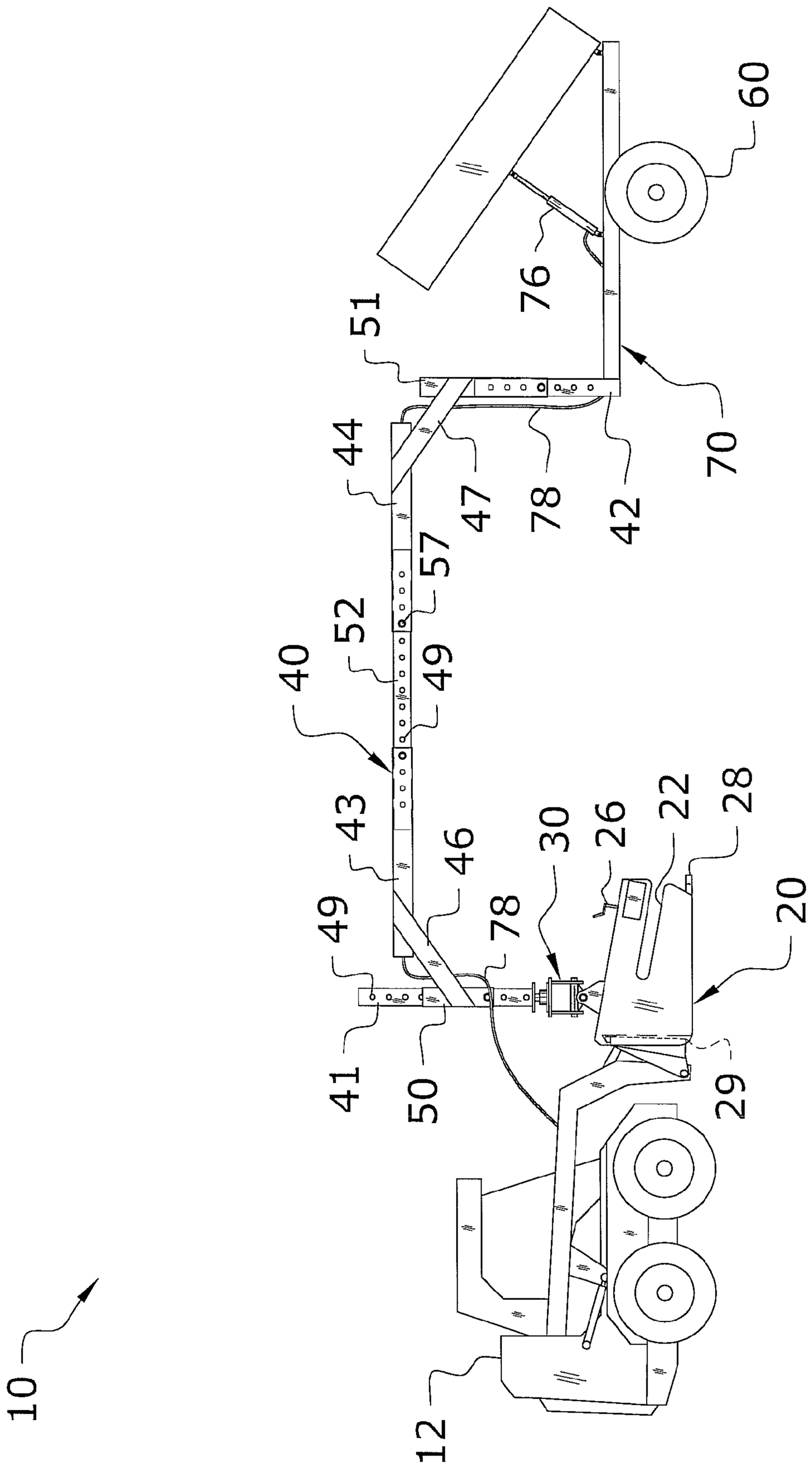


FIG. 11

FIG. 12

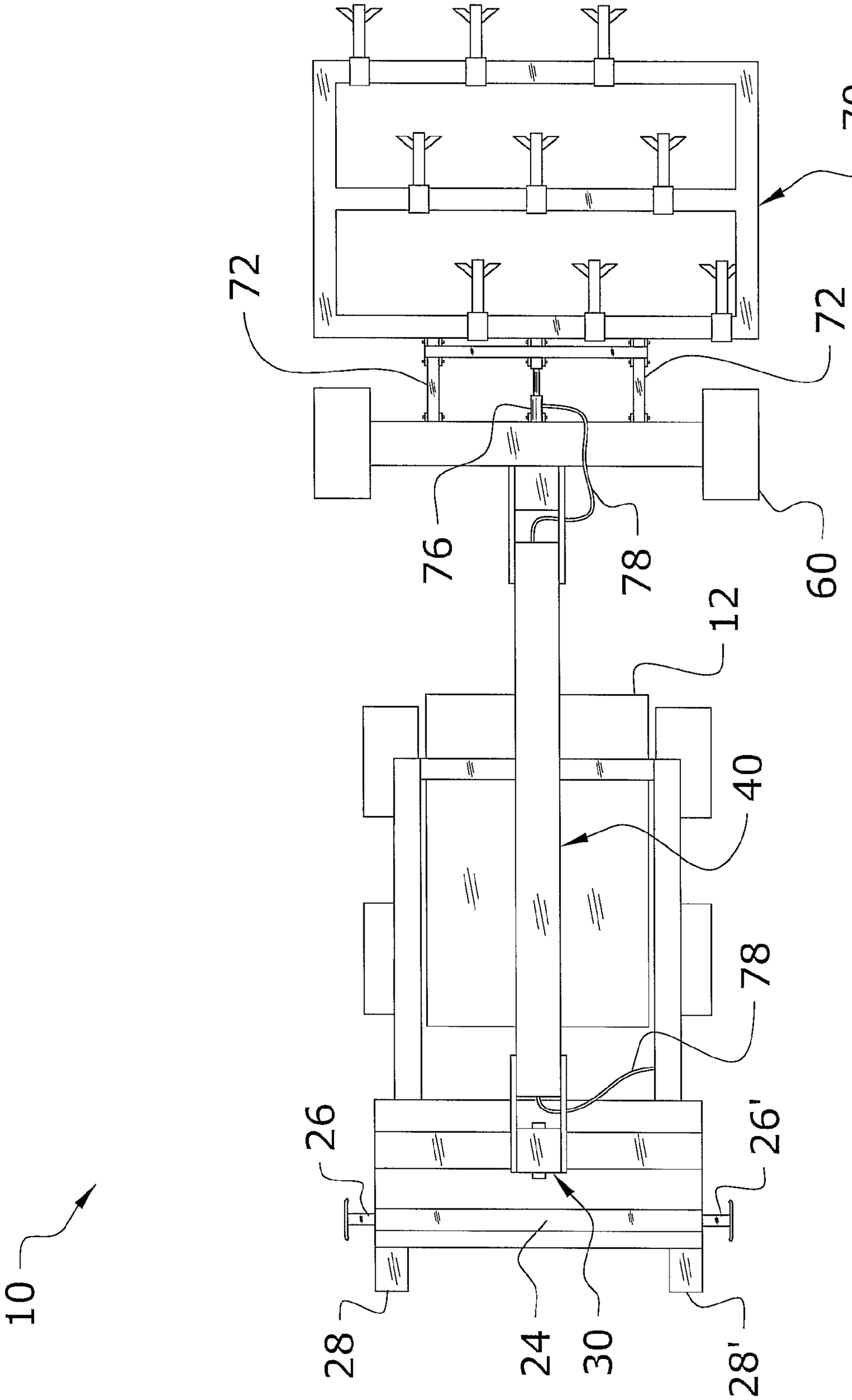
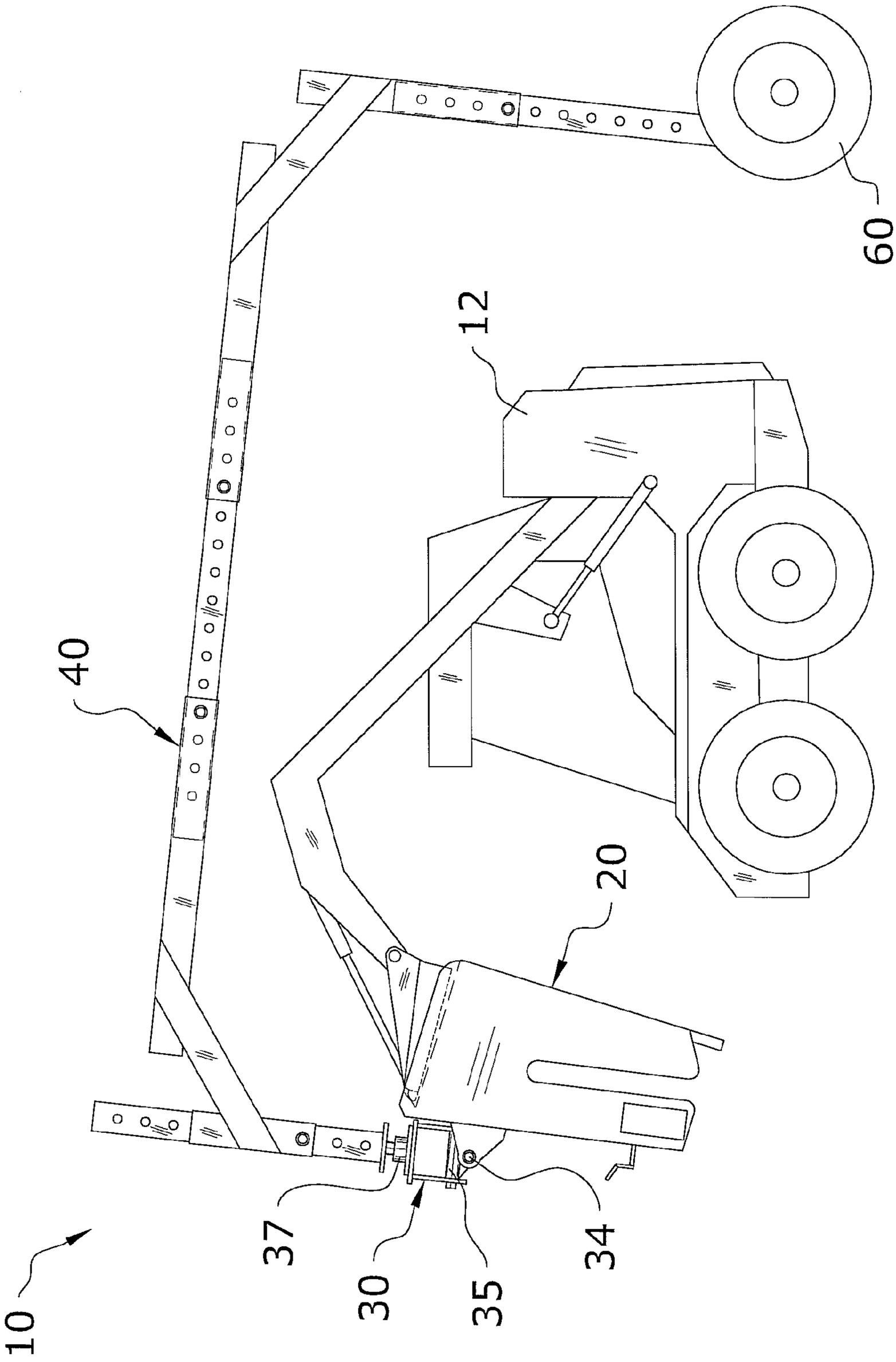


FIG. 13



SKID STEER ATTACHMENT SYSTEM

CROSS REFERENCE TO RELATED APPLICATIONS

Not applicable to this application.

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

Not applicable to this application.

BACKGROUND OF THE INVENTION

1. Field of the Invention

The present invention relates generally to skid steer loaders and more specifically it relates to a skid steer attachment system for efficiently increasing the functionality of a skid steer loader.

2. Description of the Related Art

Any discussion of the prior art throughout the specification should in no way be considered as an admission that such prior art is widely known or forms part of common general knowledge in the field.

Skid steer loaders have been in use for years. Typically, skid steer loaders are manufactured in a plurality of various configurations to accomplish and perform various tasks. There are also generally various attachments that attach to the front end or bucket of a skid steer loader, wherein the various attachments generally utilize the quick attach system common in the art of skid steer loaders or utilize bucket slots which is also common in the art of skid steer loaders.

Skid steer attachments have not, however, been affixed in such a way that they are utilized by towing or pulling the attachment by the skid steer loader. It is generally appreciated that vehicles have a much larger towing capacity than carrying capacity, wherein skid steer loaders have been hindered because the skid steer loaders are generally solely capable of carrying a load. Because of the general lack of efficiency and practicality in the prior art there is the need for a new and improved skid steer attachment system for efficiently increasing the functionality of a skid steer loader.

BRIEF SUMMARY OF THE INVENTION

The general purpose of the present invention is to provide a skid steer attachment system that has many of the advantages of the skid steer loaders mentioned heretofore. The invention generally relates to a skid steer loader which includes an attachment assembly to mechanically attach to a skid steer loader, a support frame mechanically attached to the attachment assembly, wherein the support frame is comprised of a U-shaped structure and at least one wheel rotatably attached to the support frame opposite the attachment assembly and wherein the wheel is positionable upon an opposing side of the skid steer loader as the attachment assembly.

There has thus been outlined, rather broadly, some of the features of the invention in order that the detailed description thereof may be better understood, and in order that the present contribution to the art may be better appreciated. There are additional features of the invention that will be described hereinafter and that will form the subject matter of the claims appended hereto.

In this respect, before explaining at least one embodiment of the invention in detail, it is to be understood that the invention is not limited in its application to the details of construction or to the arrangements of the components set

forth in the following description or illustrated in the drawings. The invention is capable of other embodiments and of being practiced and carried out in various ways. Also, it is to be understood that the phraseology and terminology employed herein are for the purpose of the description and should not be regarded as limiting.

An object is to provide a skid steer attachment system for efficiently increasing the functionality of a skid steer loader.

Another object is to provide a skid steer attachment system that increases the load capacity of a skid steer loader by allowing the skid steer loader to transport loads utilizing different methods.

Another object is to provide a skid steer attachment system that may be pulled or towed behind a skid steer loader.

An additional object is to provide a skid steer attachment system that easily attaches to a skid steer loader.

A further object is to provide a skid steer attachment system that is adjustable in size to accommodate various size skid steer loaders.

Another object is to provide a skid steer attachment system that allows the utilization of various other attachment systems with the skid steer loader (i.e. plow, three point hitch, trailer, dump box, etc.).

Other objects and advantages of the present invention will become obvious to the reader and it is intended that these objects and advantages are within the scope of the present invention. To the accomplishment of the above and related objects, this invention may be embodied in the form illustrated in the accompanying drawings, attention being called to the fact, however, that the drawings are illustrative only, and that changes may be made in the specific construction illustrated and described within the scope of the appended claims.

BRIEF DESCRIPTION OF THE DRAWINGS

Various other objects, features and attendant advantages of the present invention will become fully appreciated as the same becomes better understood when considered in conjunction with the accompanying drawings, in which like reference characters designate the same or similar parts throughout the several views, and wherein:

FIG. **1** is an upper perspective view of the present invention.

FIG. **2** is an upper perspective view of the attachment assembly attaching to the bucket.

FIG. **3** is a side view of the present invention attached to a skid steer loader utilizing a first method of attachment.

FIG. **4** is a side view of the present invention attached to a skid steer loader utilizing a second method of attachment.

FIG. **5** is a side view of the present invention attached to a skid steer loader utilizing a third method of attachment.

FIG. **6** is a side view of the present invention attached to a skid steer loader with the present invention pivoted about the rear wheel.

FIG. **7** is a top view of the present invention attached to a skid steer loader with the present invention utilizing a trailer attachment.

FIG. **8** is a top view of the present invention attached to a skid steer loader with the present invention utilizing a trailer attachment and the trailer attachment being pivoted in a first direction.

FIG. **9** is a top view of the present invention attached to a skid steer loader with the present invention utilizing a trailer attachment and the trailer attachment being pivoted in a second direction.

FIG. **10** is a top view of the present invention attached to a skid steer loader with skid steer loader being rotated 180 degrees about the present invention.

FIG. **11** is a side view of the present invention attached to a skid steer loader with the present invention positioned in front of the skid steer loader and a dump box attachment being utilized.

FIG. **12** is a top view of the present invention attached to a skid steer loader with the present invention utilizing a three point hitch and a cultivator attachment.

FIG. **13** is a side view of the present invention attached to a skid steer loader with the attachment assembly curled forward.

DETAILED DESCRIPTION OF THE INVENTION

A. Overview

Turning now descriptively to the drawings, in which similar reference characters denote similar elements throughout the several views, FIGS. **1** through **13** illustrate a skid steer attachment system **10**, which comprises an attachment assembly **20** to mechanically attach to a skid steer loader **12**, a support frame **40** mechanically attached to the attachment assembly **20**, wherein the support frame **40** is comprised of a U-shaped structure and at least one wheel **60** rotatably attached to the support frame **40** opposite the attachment assembly **20** and wherein the wheel **60** is positionable upon an opposing side of the skid steer loader **12** as the attachment assembly **20**.

In the following description the skid steer loader **12** is the vehicle utilized with the present invention; however it is appreciated that any suitable vehicle may be utilized with the present invention. It is further appreciated that in certain circumstances the present invention may be utilized without a vehicle.

B. Attachment Assembly

The attachment assembly **20** securely attaches the present invention to the skid steer loader **12** as illustrated in FIGS. **3** through **12**. The attachment assembly **20** is preferably comprised of a metal material for added strength; however it is appreciated that the attachment assembly **20** may be comprised of various configurations rather than the preferred embodiment, such as but not limited to plastic. The shape of the attachment assembly **20** is also preferably substantially similar to the shape of a bucket **14** common in the art with standard skid steer loaders **12**.

The attachment assembly **20** includes a slot **22**, **22'** on each opposing side of the attachment assembly **20**. The slots **22**, **22'** preferably extend longitudinally and slightly upward upon each opposing side of the attachment assembly **20** as illustrated in FIGS. **1** through **6**. The slots **22**, **22'** are further preferably substantially similar or slightly greater in diameter than the thickness of a standard bucket **14** upon a skid steer loader **12**. The length of the slots **22**, **22'** are also preferably substantially similar to the depth of the bucket **14**.

The attachment assembly **20** also preferably includes a cross member **24** extending between opposing sides of the attachment assembly **20**. The cross member **24** is preferably comprised of a square tubular configuration as shown in FIGS. **1** and **2**. Extending within the cross member **24** are preferably a pair of centering members **25**, **25'**. Each centering member **25**, **25'** preferably extends within an opposing side of the cross member **24**, wherein the centering members **25**, **25'** preferably form a telescoping attachment with the cross member **24**. The centering members **25**, **25'** are able to slide in and out of the cross member **24**.

The attachment assembly **20** also preferably includes a pair of securing members **26**, **26'**. The securing members **26**, **26'** are preferably comprised of a bolt configuration as shown in FIGS. **1** and **2**. The securing members **26**, **26'** are also threadably attached to the attachment assembly **20** and preferably extend through a pair of openings **14** in the bottom of the bucket **14** when the attachment assembly **20** is positioned and centered within the bucket **14**. The openings **14** are preferably pre-drilled through the floor of the bucket **14** to align with the securing members **26**, **26'** when the attachment assembly **20** is centered within the bucket **14**. It is appreciated that more or less securing members **26**, **26'** may be utilized with the present invention than the preferred embodiment.

The attachment assembly **20** includes a channel member **28**, **28'** on each opposing side of the attachment assembly **20**. The channel members **28**, **28'** preferably extend longitudinally and upon the underside of each opposing side of the attachment assembly **20** as illustrated in FIGS. **1** and **2**. The channel members **28**, **28'** are further preferably substantially similar or slightly greater in diameter than the thickness of a standard fork unit **17** upon a skid steer loader **12**. The length of the channel members **28**, **28'** are also preferably substantially similar or slightly less than the length of the fork units **17** of the skid steer loader **12**.

The attachment assembly **20** may attach to the skid steer loader **12** by a plurality of methods as illustrated in FIGS. **3** through **5**. A first method of attachment for attaching the attachment assembly **20** to the skid steer loader **12** is utilized when a bucket **14** is presently attached to the arms of the skid steer loader **12**. The front of the bucket **14** is slidably positioned within the slots **22**, **22'** of the attachment assembly **20** as shown in FIG. **3**. The centering members **25**, **25'** are then preferably extended from opposing sides of the cross member **24** and engaged against the inner side of the sidewalls of the bucket **14**. The centering members **25**, **25'** are further adjusted until the attachment assembly **20** is centered within the bucket **14**. The securing members **26**, **26'** may now be extended through the openings **14** of the bucket **14** thus securing the attachment assembly **20** within the bucket **14**.

A second method of attachment for attaching the attachment assembly **20** to the skid steer loader **12** is utilized when a fork unit **17** is presently attached to the arms of the skid steer loader **12**. The fork unit **17** of the skid steer loader **12** is slidably positioned within the channel members **28**, **28'** of the attachment assembly **20** as shown in FIG. **4**.

A third method of attachment is to attach the attachment assembly **20** directly to the arms of the skid steer loader **12** via the loader attachment mechanism **29** as shown in FIG. **5**. The loader attachment mechanism **29** is preferably comprised of a quick attach method of attachment common in the art of skid steer loaders **12** and described in U.S. Pat. No. 3,984,016. The loader attachment mechanism **29** includes a member to lock down a lift arm of the skid steer loader **12** and a hook can be attached to the skid steer loader **12** and a hook attached to the attachment assembly **20**. It is appreciated that various methods of attachment of the attachment assembly **20** to the skid steer loader **12** may be utilized with the present invention rather than the described methods.

C. Knuckle Assembly

A knuckle assembly **30** is preferably attached between the attachment assembly **20** and the support frame **40** as shown in FIG. **1**. The knuckle assembly **30** allows the support frame **40** to swivel or rotate about the attachment assembly **20** and skid

steer loader **12** as illustrated in FIGS. **6**, **8**, **9** and **10**. The knuckle assembly **30** also allows the support frame **40** to be pivoted about the wheel **60** when the present invention is raised upwards or lowered by the arms of the skid steer loader **12** as shown in FIG. **6**. The knuckle assembly **30** further prevents the support frame **40** from laterally swaying when mechanically attached to the skid steer loader **12**.

The knuckle assembly **30** preferably includes a first rotator member **32** and a second rotator member **37**. The first rotator member **32** also preferably includes a first swivel portion **34** and the second rotator member **37** preferably includes a second swivel portion **35** as illustrated in FIG. **1**. The first rotator member **32** is mechanically attached to the upper end of the attachment assembly **20**, wherein the first swivel portion **34** is adjacent to the second swivel portion **35**. The first rotator member **32** is preferably able to rotate 360 degrees about the attachment assembly **20**.

The second rotator member **37** is mechanically attached to the upper end of the first rotator member **32** via attachment of the second swivel portion **35** to the first swivel portion **34**, wherein the second swivel portion **35** is adjacent to the first swivel portion **34**. The second rotator member **37** is preferably able to rotate 360 degrees about the first rotator member **32**. The first swivel portion **34** and the second swivel portion **35** also preferably form a U-joint structure and are able to pivot about one another as illustrated in FIGS. **8** through **10**. The second rotator member **37** also allows the attachment assembly **20** to be curled forward as illustrated in FIG. **13**.

The first rotator member **32** and first swivel portion **34** are further preferably positioned perpendicular to the second rotator member **37** and the second swivel portion **35** as illustrated in FIGS. **1** and **2**. The perpendicular orientation of the first rotator member **32** to the second rotator member **37** preferably forms a dual axis rotation about the first swivel portion **34** and the second swivel portion **35** to allow for greater maneuverability of the support frame **40**.

It is appreciated that the knuckle assembly **30** may be comprised of various configurations and structures all which allow the support frame **40** to rotate about the attachment assembly **20** and the skid steer loader **12**. It is also appreciated that the knuckle assembly **30** may be omitted from the present invention if the support frame **40** is meant to be fixedly attached to the attachment assembly **20**.

D. Support Frame

The support frame **40** is preferably attached to the knuckle assembly **30** and is rotatable about the attachment assembly **20** and the skid steer loader **12**, wherein the support frame **40** is able to rotate 360 degrees around the skid steer loader **12**. The support frame **40** is comprised of an inverted U-shaped configuration as shown in FIGS. **3** through **6**. The support frame **40** is preferably comprised of a metal material; however it is appreciated that the support frame **40** may be comprised of various configurations rather than the preferred embodiment, such as but not limited to plastic or wood.

The support frame **40** is preferably comprised of a square tubular configuration; however it is appreciated that various configurations may be utilized with the support frame **40**. The gap between the parallel portions of the U-shaped configuration is also large enough to accommodate the skid steer loader **12**, wherein the skid steer loader **12** may be positioned within the gap formed by the parallel portions as shown in FIGS. **3** through **6**.

The support frame **40** includes a first support member **41** mechanically attached to the knuckle assembly **30** a second support member **42** mechanically attached to the wheels **60** and a third support member **43** and a fourth support member **44** mechanically attached between thereof as shown in FIGS. **3** through **6**. The first support member **41** preferably extends upwardly from the second rotator member **37** opposite the second swivel portion **35**. The first support member **41** is further preferably perpendicularly oriented to the ground surface as illustrated in FIGS. **3** through **6**.

The first support member **41** also preferably includes a plurality of apertures **49** extending through opposing sides of the first support member **41** along a longitudinal axis of the first support member **41**. The apertures **49** are preferably spaced equidistant apart.

The support frame **40** also preferably includes a first adjustment member **50** telescopingly attached to the first support member **41** as shown in FIGS. **3** through **6**. The first adjustment member **50** allows the user to adjust the height of a first end of the support frame **40** to ensure that the support frame **40** may be rotated around and over the skid steer loader **12** as illustrated in FIGS. **3** through **6**.

The first adjustment member **50** also preferably includes an aperture **49** extending through opposing sides of the first adjustment member **50**. A fastener **57** is received by the aperture **49** of the first adjustment member and the desired apertures **49** of the first support member when a desired height is reached of the first end of the support frame **40**.

Extending from a side of the first adjustment member **50** adjacent to the skid steer loader **12** is preferably a first connecting member **46**. The first connecting member **46** preferably extends at a substantially 45 degree upward angle to provide added support for the support frame **40**. The opposing end of the first connecting member **46** as the first adjustment member **50** is preferably attached to the third support member **43**.

The third support member **43** is further preferably oriented parallel to the ground surface as illustrated in FIGS. **3** through **6**. The third support member **43** also preferably includes an aperture **49** extending through opposing sides of the first support member **41**. The fourth support member **44** is also preferably oriented parallel to the ground surface as illustrated in FIGS. **3** through **6**. The fourth support member **44** also preferably includes an aperture **49** extending through opposing sides of the first support member **41**.

The support frame **40** also preferably includes a third adjustment member **52** telescopingly attached to the third support member **43** and the fourth support member **44** as shown in FIGS. **3** through **6**. The third adjustment member **52** allows the user to adjust the length of the support frame **40** to ensure that the support frame **40** may be rotated around and over the skid steer loader **12** as illustrated in FIGS. **3** through **6**.

The third adjustment member **52** also preferably includes a plurality of apertures **49** extending through opposing sides of the third adjustment member **52** along a longitudinal axis of the third adjustment member **52** as illustrated in FIGS. **3** through **6**. The apertures **49** are preferably spaced equidistant apart and align with the apertures **49** of the third support member **43** and the fourth support member **44**. A fastener **57** is received by the apertures **49** of the third adjustment member and the desired aperture **49** of the support members **43**, **44** when a desired length is reached about the support frame **40**.

Extending from a lower side of the fourth adjustment member opposite the third support member **43** is preferably a second connecting member **47**. The second connecting member **47** preferably extends at a substantially 45 degree downward angle to provide added support for the support frame **40**.

The opposing end of the second connecting member **47** as the fourth adjustment member is preferably attached to the second adjustment member **51**.

The second adjustment member **51** is preferably perpendicularly oriented to the ground surface as illustrated in FIGS. **3** through **6**. The second adjustment member **51** extends substantially downward from the second connecting member **47**. The second adjustment member **51** also preferably includes an aperture **49** extending through opposing sides of the first adjustment member **51**.

The support frame **40** also preferably includes the second support member **42** telescopingly attached to the second adjustment member **51** as shown in FIGS. **3** through **6**. The telescoping attachment of the second adjustment member **51** to the second support member **42** allows the user to adjust the height of a second end of the support frame **40** to ensure that the support frame **40** may be rotated around and over the skid steer loader **12** as illustrated in FIGS. **3** through **6**.

The second support member **42** also preferably includes a plurality of apertures **49** extending through opposing sides of the second support member **42** along a longitudinal axis of the second support member **42** as illustrated in FIGS. **3** through **6**. The apertures **49** are preferably spaced equidistant apart and align with the aperture **49** of the second adjustment member **51**. A fastener **57** is received by the aperture **49** of the second adjustment member **51** and the desired aperture **49** of the second support member **42** when a desired height is reached of the second end of the support frame **40**.

It is appreciated that the support frame **40** may be comprised of various configurations rather than the preferred embodiment. It is also appreciated that the support frame **40** is preferably comprised of a plurality of separate structures to allow for adjustment of the support frame **40**; however the support frame **40** may be comprised of an integrally formed structure. The support frame **40** may also incorporate various methods of adjustment rather than the telescoping method of adjustment.

E. Attachment Unit

The wheels **60** are mechanically attached to the second support member **42** of the support frame **40**. The wheels **60** are further mechanically attached to an axle connecting the wheels **60**, wherein the axle is rotatably attached to the second support member **42** of the support frame **40**. It is appreciated that the present invention may includes a various number of wheels **60** depending on the particular application that the present invention is utilized for (i.e. hauling objects, pulling objects, plowing, etc.).

An attachment unit **70** may be attached to the second support member **42** as shown in FIG. **11**. The attachment unit **70** may be comprised of various configurations, such as but not limited to a plow, a flatbed trailer or a partially/fully enclosed trailer. The attachment unit **70** may also be pivotally attached to the third support member **42** via a pivot unit **74** mechanically attached between the attachment unit **70** and the third support member **42**.

The pivot axis of the pivot unit **74** is preferably perpendicularly oriented with the ground plane to allow the attachment unit **70** to pivot from side to side and to allow the support frame **40** and attachment unit **70** to be rotated about the skid steer loader **12** as illustrated in FIGS. **8** and **9**. The side to side pivoting of the attachment unit **70** may be desirable in such instances as row crop farming, brush mowers and extrusion of cement curbs. The side to side pivoting of the attachment unit **70** functions similar to a conventional crab steering mechanism.

The attachment unit **70** may also be mechanically attached to an actuator device **76**. The actuator device **76** is preferably comprised of a hydraulic actuator, wherein the actuator is hydraulically connected to the skid steer loader **12** via at least one hydraulic hose **78**. Additional actuators may also be mechanically attached upon an underside of the attachment unit **70**, wherein the actuators pivot the attachment unit **70** about the axle of the wheels **60** and the attachment unit **70** is utilized as a dump box configuration.

The attachment unit **70** may also be comprised of a standard plow configuration with a standard three point hitch assembly as shown in FIG. **12**. The third support member **43** would thus include a hitch unit **72**, wherein the hitch unit **72** is comprised of a three point hitch unit **72** and attaches to the three point hitch assembly of the plow. It is appreciated that various three point hitch attachments may thus attach to the hitch unit **72** of the present invention.

The three point hitch is also preferably comprised of a three point hitch common in the art of tractors and the like. The three point hitch may also be comprised of a farm implement ASAE category 1, 2 or 3 hitch assembly. Various other attachments may be utilized with the present invention, rather than the described embodiments, wherein the various attachment units **70** are generally comprised of a pull behind attachment unit **70** (i.e. trailer, plow, etc.).

F. In Use

In use, the assembled attachment assembly **20**, knuckle assembly **30**, support frame **40** and desired attachment unit **70** are attached to the skid steer loader **12** via attaching the attachment assembly **20** to the front of the skid steer loader **12** preferably utilizing one of the described methods. If the actuator devices **76** are utilized with the attachment unit **70**, the hydraulic hoses **78** are preferably attached to the skid steer loader **12** and then the actuator devices **76**.

Excess hydraulic hose **78** is preferably attached to the support frame **40** to prevent the excess hydraulic hose **78** from becoming entangled while utilizing the present invention. It is appreciated that the hydraulic hoses **78** may also be positioned within the interior of the support frame **40**. The operator may now operate the skid steer loader **12** and the present invention accordingly with utilized attachment unit **70**.

What has been described and illustrated herein is a preferred embodiment of the invention along with some of its variations. The terms, descriptions and figures used herein are set forth by way of illustration only and are not meant as limitations. Those skilled in the art will recognize that many variations are possible within the spirit and scope of the invention, which is intended to be defined by the following claims (and their equivalents) in which all terms are meant in their broadest reasonable sense unless otherwise indicated. Any headings utilized within the description are for convenience only and have no legal or limiting effect.

I claim:

1. A skid steer attachment system, comprising:

an attachment assembly, wherein said attachment assembly is mechanically attached to a skid steer vehicle;

a support frame mechanically attached to said attachment assembly, wherein said support frame is comprised of a U-shaped structure;

at least one wheel rotatably attached to said support frame opposite said attachment assembly, wherein said at least one wheel is positionable upon an opposing side of said skid steer vehicle as said attachment assembly;

a platform attached to said support frame adjacent said at least one wheel, wherein said platform is pivotally attached to said support frame; and

at least one actuator device attached between said platform and said support frame, wherein said at least one actuator device pivotally adjusts said platform.

2. The skid steer attachment system of claim **1**, including a knuckle assembly mechanically attached between said attachment assembly and said support frame.

3. The skid steer attachment system of claim **2**, wherein said support frame rotates about said attachment assembly via a first pivot axis of said knuckle assembly.

4. The skid steer attachment system of claim **3**, wherein said support frame rotates about said attachment assembly via a second pivot axis of said knuckle assembly, wherein said second pivot axis is substantially perpendicular to said first pivot axis.

5. The skid steer attachment system of claim **2**, wherein said support frame rotates 360 degrees about said skid steer vehicle via said knuckle assembly.

6. The skid steer attachment system of claim **1**, wherein said support frame includes a first support member mechanically attached to said attachment assembly, a second support member mechanically attached to said at least one wheel and a third support member mechanically attached between thereof wherein said first support member, said second support member and said third support member form said U-shaped structure.

7. The skid steer attachment system of claim **6**, wherein said first support member and said second support member are substantially perpendicular to a ground plane and wherein said third support member is substantially parallel to said ground plane.

8. The skid steer attachment system of claim **6**, wherein a first longitudinal axis of said first support member and a second longitudinal axis of said second support member are substantially perpendicular to a third longitudinal axis of said third support member.

9. The skid steer attachment system of claim **6**, wherein a distance from of said third support member to a ground surface is greater than a height of said skid steer vehicle.

10. The skid steer attachment system of claim **1**, wherein a third pivot axis of said platform is perpendicular to a ground plane.

11. The skid steer attachment system of claim **1**, wherein a fourth pivot axis of said platform is parallel to a ground plane.

12. The skid steer attachment system of claim **1**, including a three point hitch attached to said support frame adjacent said at least one wheel.

13. The skid steer attachment system of claim **1**, wherein said attachment assembly includes a pair of channel members extending across said attachment assembly, wherein said pair of channel members slidably attach to a fork unit of said skid steer vehicle.

14. The skid steer attachment system of claim **1**, wherein said attachment assembly includes a pair of slots extending within a pair of opposing side portions of said attachment assembly, wherein said pair of slots slidably attach to a bucket of said skid steer vehicle.

15. A skid steer attachment system, comprising:

an attachment assembly to mechanically attach to a skid steer vehicle;

a support frame mechanically attached to said attachment assembly, wherein said support frame is comprised of a U-shaped structure; and

at least one wheel rotatably attached to said support frame opposite said attachment assembly, wherein said at least one wheel is positionable upon an opposing side of said skid steer vehicle as said attachment assembly;

wherein said support frame includes a first support member mechanically attached to said attachment assembly, a second support member mechanically attached to said at least one wheel and a third support member mechanically attached between thereof wherein said first support member, said second support member and said third support member form said U-shaped structure;

wherein said first support member and said second support member are substantially perpendicular to a ground plane and wherein said third support member is substantially parallel to said ground plane;

wherein a first longitudinal axis of said first support member and a second longitudinal axis of said second support member are substantially perpendicular to a third longitudinal axis of said third support member;

wherein a distance from of said third support member to a ground surface is greater than a height of said skid steer vehicle;

a knuckle assembly mechanically attached between said attachment assembly and said support frame;

wherein said support frame rotates about said attachment assembly via a first pivot axis of said knuckle assembly;

wherein said support frame rotates about said attachment assembly via a second pivot axis of said knuckle assembly and wherein said second pivot axis is substantially perpendicular to said first pivot axis.

16. A skid steer attachment system, comprising:

an attachment assembly to mechanically attach to a skid steer vehicle;

a support frame mechanically attached to said attachment assembly, wherein said support frame is comprised of a U-shaped structure;

at least one wheel rotatably attached to said support frame opposite said attachment assembly, wherein said at least one wheel is positionable upon an opposing side of said skid steer vehicle as said attachment assembly;

wherein said support frame includes a first support member mechanically attached to said attachment assembly, a second support member mechanically attached to said at least one wheel and a third support member mechanically attached between thereof wherein said first support member, said second support member and said third support member form said U-shaped structure;

wherein said first support member and said second support member are substantially perpendicular to a ground plane and wherein said third support member is substantially parallel to said ground plane;

wherein a first longitudinal axis of said first support member and a second longitudinal axis of said second support member are substantially perpendicular to a third longitudinal axis of said third support member;

wherein a distance from of said third support member to a ground surface is greater than a height of said skid steer vehicle; and

a knuckle assembly mechanically attached between said attachment assembly and said support frame;

wherein said support frame rotates about said attachment assembly via a first pivot axis of said knuckle assembly;

wherein said support frame rotates about said attachment assembly via a second pivot axis of said knuckle assembly, wherein said second pivot axis is substantially perpendicular to said first pivot axis;

wherein said support frame rotates 360 degrees about said skid steer vehicle via said knuckle assembly;

wherein said attachment assembly includes a pair of channel members extending across said attachment assembly;

wherein said attachment assembly includes a pair of slots extending within a pair of opposing side portions of said attachment assembly.

17. A skid steer attachment system, comprising:

an attachment assembly, wherein said attachment assembly is mechanically attached to a front end of skid steer vehicle;

a universal joint connected to said attachment assembly;

a support frame mechanically attached to said universal joint opposite of said attachment assembly, wherein said support frame is comprised of a U-shaped structure capable of allowing said skid steer vehicle to pass beneath and through an opening within the U-shaped structure;

wherein said support frame rotates 360 degrees about said skid steer vehicle via said universal joint;

at least one wheel rotatably attached to said support frame opposite said attachment assembly, wherein said at least one wheel is positionable upon an opposing side of said skid steer vehicle as said attachment assembly.

18. The skid steer attachment system of claim **1**, wherein said attachment assembly includes a pair of channel members extending across said attachment assembly, wherein said pair of channel members slidably attach to a fork unit of said skid steer vehicle.

19. The skid steer attachment system of claim **1**, wherein said attachment assembly includes a pair of slots extending within a pair of opposing side portions of said attachment assembly, wherein said pair of slots slidably attach to a bucket of said skid steer vehicle.

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